

Beat: Technology

Segolene Royal attends the first helicopter flight 100% electric VOLTA

Issy les Moulineaux France

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USPA NEWS - Last week, the electric helicopter VOLTA and his team made their first flight demonstration on the heliport of Paris-Issy-les-Moulineaux, in the presence of Ségolène Royal, Minister of Environment, Energy and the Sea, in charge of international Relations on climate.

October 19, 2016, the electric helicopter VOLTA and his team made their first flight demonstration on the heliport of Paris-Issy-les-Moulineaux, in the presence of Ségolène Royal, Minister of Environment, Energy and the Sea, in charge of international Relations on climate. This is the first 100% electric conventional helicopter.-----

“¢ In a context of continuous growth, civil aviation is an innovative economic sector that actively works to develop new, cleaner and more energy efficient technologies. This investment led the players in the aerospace industry to conduct future projects more environmentally friendly, as the helicopter VOLTA.-----

“¢ The prototype was developed by the company and AQUINEA ENAC School of the Ministry of Environment, the result of three years of research and development. This is a conventional helicopter said, fitted with a single rotor with variable pitch and an anti-torque tail rotor. It is presented in the prototype stage; but the goal is to develop a device dedicated to pilot training and recreational flying. It'll eventually become a device able to integrate air traffic in conditions of commercial use.

“¢ The electric battery VOLTA system, exclusively developed for this project ensures energy autonomy of about 14 minutes. Each flight allows, on average, to achieve emission saving of 13 kg of CO2 and 24 g of nitrous oxide. With an expected life of 350 hours, battery VOLTA thus saves up to 17 000 liters of fuel, representing 11 tonnes of CO2 & 22 kg of nitrogen oxide.

“¢ Furthermore, noise is significantly reduced compared to a helicopter engine.-----

“¢ The first project made France and ENAC pioneers in sustainable aviation history, it is in the development of tomorrow's transportation modes and perpetuates a strong aviation tradition and dear to our country. Source Ministry of Ecology and sustainable Development.

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